

Product datasheet for **SC126836**

B7H3 (CD276) (BC011578) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B7H3 (CD276) (BC011578) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD276
Synonyms:	4lg-B7-H3; B7-H3; B7H3; B7RP-2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for BC011578, the custom clone sequence may differ by one or more nucleotides

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CAGCCCTGCAGCCTCTGAAACACTCTGACAGCAAAGAAGATGATGGACAAGAAATAGCCTGACCATGAGG
ACCAGGGAGCTGCTACCCTCCCTACAGCTCCTACCCTCTGGCTGCAATGGGGCTGCACTGTGAGCCCTG
CCCCAACAGATGCATCCTGCTCTGACAGGTGGGCTCCTTCTCCAAAGGATGCGATACACAGACCCTGT
GCAGCCTTATTTCTCCAATGGACATGATCCCAAGTCATCCTGCTGCCTTTTTTCTTATAGACACAATG
AACAGACCACCCACAACCTTAGTTCTCTAAGTCATCCTGCCTGCTGCCTATTTACAGTACATACATTT
CTTAGGGACACAGTACACTGACCACATCACCACCCTCTTCTTCCAGTGTGCGTGGACCATCTGGCTGCC
TTTTTCTCCAAAAGATGCAATATTCAGACTGACTGACCCCTGCCTATTTACCAGAACACAGATGCA
TAGTCACCCCGGCTTGTCTCCAATGGCCGTGATACACTAGTGATCATGTTCCAGCCCTGCTTCCACCT
GCATAGAATCTTTCTTCTCAGACAGGGACAGTGGCCCTCAACATCTCCTGGAGTCTAGAAGCTGTTTC
CTTCCCCTCCTTCTCCTCTTGTCTAGCCTTAATACTGGCCTTTTCCCTCCCTGCCCCAAGTGAAGAC
AGGGCACTCTGCGCCACCACATGCACAGCTGTGCATGGAGACCTGCAGGTGCACGTGCTGGAACACGTG
TGGTTCCTCCCTGGCCAGCCTCCTCTGCAGTGGCCCTCTCCCTGCCCCATCCTCCCACGGAAGCATGT
GCTGGTCACACTGGTTCTCCAGGGGTCTGTGATGGGGCCCTGGGGGTACGCTTCTGTCCCTCTGCCTTC
TCACCTCTTTGTTCTTTCTTTTCATGTATCCATTAGTTGATGTTTATTGAGCAACTACAGATGTCAGC
ACTGTGTTAGGTGCTGGGGGCCCTGCGTGGGAAGATAAAGTTCCTCCCTCAAGGACTCCCATCCAGCTG
GGAGACAGACAACAACTACACTGCACCCTGCGGTTTGCAGGGGGCTCCTGCCTGGCTCCCTGCTCCACA
CCTCCTCTGTGGCTCAAGGCTTCTGGATACCTCACCCCATCCCACCCATAATTCTTACCAGAGCATG
GGGTGGGGCGGAAACCTGGAGAGAGGGACATAGCCCTCGCCACGGCTAGAGAATCTGGTGGTGTCCAA
AATGTCTGTCCAGGTGTGGCAGGTGGCAGGCACCAAGGCCCTCTGGACCTTTCATAGCAGAGAAAAG
GCAGAGCCTGGGGCAGGGCAGGGCCAGGAATGCTTTGGGGACACCGAGGGGACTGCCCCCACCACCAC
ATGGTGTCTATTCTGGGGCTGGGGCAGTCTTTTCTGGCTTGCCTCTGGCCAGCTCCCGCCCTCTGGTAGA
GTGAGACTTCAGACGTTCTGATGCCTTCCGGATGTCTCTCCTGCCCCAGGAATGGAAGATGTGAGG
ACTTCTAATTTAAATGTGGGACTCGGAGGGATTTGTAACTGGGGGTATATTTGGGGAAAATAAATGT
CTTTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence: >OriGene 5' read for BC011578 unedited

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CCGCGAAATTCGCACGAGGCCTCGTGCCGAATTCGGCAGGAGGTACACTGACCACATCA
CCACCCTTTCTTCCAGTGTGCGTGGACCATCTGGCTGCCTTTTTTCTCCAAAAGATGC
AATATTAGACTGACTGACCCCTGCCTTATTTACCAAAGACACGATGCATAGTCACCC
CGGCTTGTCTTCCAATGGCCGTGATACACTAGTGATCATGTTCCAGCCCTGCTTCCACC
TGCATAGAATCTTTCTTCTCAGACAGGGACAGTGGCCCTCAACATCTCCTGGAGTCTA
GAAGCTGTTTCTTTCCCTCCTCCTCTTGTCTAGCCTTAATACTGGCCTTTTCC
CTCCCTGCCCCAAGTGAAGACAGGGCACTCTGCGCCACCACATGCACAGCTGTGCATGG
AGACCTGCAGGTGCACGTGCTGGAACACGTNNGTGGTCCCCCTGGCCAGCCTCCTCTG
CAGTGCCCTCTCCCCTGCCATCCTCCCACGGAAGCATGTGCTGGTCACACTGGTTCT
CCAGNGGTCTGTGATGGGGCCCTGNGGGTCACTTCTGTCCCTCTGCCTTCTCACCTC
TNTGTTCTTTCTTTTCATGTATCCATTAGTTGATGTTTATTGAGCCACTACAGATGTC
AGCACTGTGTTAGGTGCTGGGGGCCCTGCGTGGGAGAATAAAGTNTNCTCAGGNACT
CCCCATNAGCTGGGAGACAGACTAACTACACTGACCCCTGGCGTTGGAGGGGGTCC
TGNCTGGCTCCCGGCTTACACTTCTTTGTGGCTCAGGGCTTCTGGNATACCTACCCCT
TCCACCATTATTCTACCAAGATGGGG
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Restriction Sites: NotI-NotI
ACCN: BC011578

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC011578.1 , AAH11578.1
RefSeq Size:	1698 bp
RefSeq ORF:	414 bp
Locus ID:	80381
Cytogenetics:	15q24.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
Gene Summary:	The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]